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BOARD OF OIL AND GAS CONSERVATION
SAVINGS BLDG.
HELENA, MONTANA 59601

Vol. XXVIII NO. 3 — 4 — March, 1979

PRODUCTION STATUS

Production of crude oil and condensate from oil and gas areas of Montana for the month of March, 1979 averaged 78,613 barrels daily, an increase of 3,276 barrels from the average 75,337 production in February, 1979.

The six refineries in the state processed 145,317 barrels of crude oil daily for the month of March, 1979, a decrease of 512 barrels from the 145,829 barrels processed daily during the month of February, 1979.

During March, 27 wells were completed, 3 oil, 12 gas, and 12 dry holes.

During March, the board issued 41 permits to drill new wells, an increase of 5 from the 36 permits issued during February, 1979.

SUMMARY OF CRUDE PRODUCTION, REFINING, STORAGE, ETC., IN MONTANA MONTH OF MARCH, 1979

IN STORAGE: MARCH 1st	
By Producers	418,948
By Transporters	1,437,673
By Refiners	831,375
TOTAL STORAGE	2,687,996
Produced in Mont. During Month	2,437,010
Imported During Month	3,810,123
TOTAL	8,935,129
DISPOSITION	
Refined in Montana	4,504,824
Exported	1,728,159
Used For Fuel or Lost	12,964
TOTAL	6,245,947
IN STORAGE: MARCH, 31st	
By Producers	403,818
By Transporters	1,425,052
By Refiners	860,312
TOTAL STORAGE	2,689,182

REFINERS MONTHLY REPORT MARCH, 1979

Company	Beginning Storage	Montana Crude Oil	N. Dakota Crude Oil	Wyoming Crude Oil	Canada Crude Oil	Refined	Ending Storage
Continental Oil Co.	181,544	265,864	—	307,286	851,901	1,415,078	191,517
Exxon Company	212,692	40,998	—	843,099	597,992	1,451,174	243,607
Farmers Union	401,230	66,388	—	331,864	767,982	1,163,839	403,625
Kenco Refining	10,614	124,897	1,207	—	—	130,189	6,529
Phillips Petroleum	7,565	93,689	—	—	108,792	202,375	7,671
Wesco Refining Co.	17,730	131,802	—	—	—	142,169	7,363
Totals	831,375	723,638	1,207	1,482,249	2,326,667	4,504,824	860,312

	AVERAGE BARRELS RECEIVED PER DAY					PERCENTAGE OF CRUDE OIL RECEIVED			
	Montana	N. Dakota	Wyoming	Canada	Total	Montana	N. Dakota	Wyoming	Canada
Year, 1978	24,240	190	47,982	58,545	130,957	18.51%	.14%	36.64%	44.71%
March, 1978	22,036	375	54,715	54,201	131,327	16.78%	.29%	41.66%	41.27%
March, 1979	23,343	39	47,814	75,054	146,250	15.96%	.03%	32.69%	51.32%

PRODUCERS' REPORT — MONTH OF MARCH, 1979

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Anvil	1	2,152	12,402	13,978	—	576
5	Arch Apex	6	1,576	2,844	2,316	—	2,104
1	Ash Creek	2	627	572	534	—	665
—	Bainville	—	3,260	—	—	—	3,260
1	Bainville West	1	974	855	1,184	—	645
3	Bannatyne	6	724	665	665	—	724
5	Bears Den	6	1,481	867	666	—	1,682
15	Bell Creek	157	16,350	493,384	496,046	—	13,688
—	Benrud	—	326	—	—	—	326
3	Benrud East	3	1,595	7,365	7,520	—	1,440
1	Benrud Northeast	1	1,260	789	1,504	—	545
—	Berthelote	—	614	—	—	—	614
2	Big Gully	2	573	78	—	—	651
—	Big Gully, North	—	489	—	—	—	489
2	Big Muddy Creek	2	2,857	2,653	3,616	—	1,894
4	Big Wall	11	1,412	9,853	10,438	—	827
1	Big Wall, North	1	480	70	—	—	550
1	Blackfoot	6	410	1,521	1,326	—	605
1	Blue Hill	1	1,136	1,613	1,499	—	1,250
4	Border	8	1,240	793	1,268	—	765
—	Boulder	—	790	—	—	—	790
1	Bowes	48	4,555	10,015	9,563	—	5,007
1	Bradley	1	612	530	362	—	780
2	Breed Creek	2	133	1,131	—	—	1,264
4	Brorson-Madison	4	2,381	2,233	2,439	—	2,175
3	Brorson-Red River	3	4,833	2,388	1,504	10	5,707
4	Brorson-Red River S.	4	3,479	6,646	6,276	17	3,832
4	Brorson South East	4	1,759	2,926	3,086	—	1,599
4	Brush Lake	4	863	6,342	6,352	—	853
2	Burns Creek	2	1,062	1,963	2,303	—	722
2	Cabin Creek	85	—	135,224	135,224	—	—
2	Canal	2	2,089	2,733	4,092	—	730
2	Carlyle	2	702	6,338	6,358	—	682
10	Cat Creek	54	1,995	7,226	7,165	—	2,056
2	Charlie Creek	2	916	13,857	13,721	—	1,052
1	Clark's Fork	1	167	65	149	—	83
—	Clark's Fork, North	—	742	—	—	—	742
1	Clark's Fork, South	1	1,289	175	330	—	1,134
6	Clear Lake	6	2,919	16,652	16,274	—	3,297
1	Colored Canyon	1	520	6,976	6,684	—	812
—	Conrad South	—	90	—	—	—	90
1	Cow Creek	1	390	182	—	—	572
9	Cow Creek, East	11	5,036	8,446	6,119	—	7,363
2	Culbertson	2	1,485	7,262	7,258	—	1,489
8	Cupton	8	3,968	8,906	8,482	—	4,392
85	Cut Bank	897	43,332	124,274	129,718	187	37,701
1	Dagmar	2	1,090	4,996	5,559	—	527
1	Dean Dome	1	418	584	—	—	1,002
1	Deer Creek	1	695	609	889	—	415
—	Delphia	—	129	—	—	—	129
—	Devils Basin	—	114	—	—	—	114
5	Dry Creek	5	1,185	1,230	1,494	—	921
2	Dwyer	10	4,852	11,913	12,532	—	4,233
2	Eagle	2	1,066	2,238	2,666	—	638
3	Elk Basin	50	517	79,675	79,746	—	446
2	Elk Basin, Northwest	2	1,199	521	246	—	1,474
1	Enid, North	1	—	538	538	—	—
4	Fairview	8	6,800	15,270	12,189	—	9,881
1	Fertile Prairie	1	580	880	880	—	580
3	Flat Coulee	19	1,479	12,506	12,422	—	1,563
6	Flat Lake	45	3,483	45,898	47,242	—	2,139
4	Flat Lake, South	4	1,247	2,419	2,007	—	1,659
2	Fort Gilbert	3	726	3,946	3,815	—	857
1	Four Mile Creek	1	1,214	6,037	6,958	—	293
2	Four Mile Creek, West	2	1,873	6,887	7,856	—	904
1	Fox Creek	1	807	1,961	2,510	—	258
1	Fox Creek, North	1	1,304	951	754	—	1,501
1	Frannie	1	—	589	589	—	—
9	Fred & George Creek	31	3,661	34,570	34,320	—	3,911
1	Froid, South	1	708	579	685	—	602
—	Gage	—	153	—	—	—	153
3	Gas City	9	1,739	6,837	5,738	—	2,838
—	Girard	—	1,275	—	—	—	1,275
10	Glendive	13	2,219	15,298	15,181	—	2,336
—	Golden Dome	—	331	—	—	—	331
12	Goose Lake	25	3,524	16,120	16,603	—	3,041
10	Graben Coulee	36	5,661	3,513	4,844	—	4,330
1	Grandview, East	1	177	255	235	—	197
1	Gumbo Ridge	1	1,495	276	—	—	1,771
3	Gypsy Basin	6	1,881	661	942	108	1,492
1	Hay Creek-Mission	1	385	942	1,129	—	198
2	Hay Creek-Red River	2	1,749	2,192	2,556	—	1,385
4	Hiawatha	4	2,357	3,561	3,588	—	2,330
—	Hibbard	—	724	—	—	—	724
7	High Five	13	2,855	18,050	18,224	—	2,681
—	Highview	—	202	—	—	202	—
—	Horse Creek	—	832	—	366	—	466
2	Howard Coulee	2	1,455	833	1,615	—	673
3	Ivanhoe	6	1,460	1,108	1,000	(10)	1,578
—	Jackass Butte	—	514	—	—	—	514
2	Jim Coulee	15	3,081	19,604	19,725	—	2,960
4	Keg Coulee	13	4,974	9,216	9,447	53	4,690
3	Keg Coulee, North	3	2,186	1,462	1,767	—	1,881
1	Kelley	3	1,487	1,046	2,231	—	302
78	Kevin Sunburst	416	16,125	34,702	35,403	—	15,424
1	Laird Creek	8	1,031	1,006	989	—	1,048
4	Leary	4	2,041	1,591	1,735	1	1,896
1	Little Beaver	22	120	33,373	33,373	—	120
2	Little Beaver, East	9	2,459	11,469	12,324	—	1,604
13	Little Wall Creek	17	6,297	13,694	15,081	(1)	4,911

PRODUCERS' REPORT — MONTH OF MARCH, 1979 — (Continued)

Leases	Field	No. of Wells	Storage First of Month	Oil Produced	Oil Shipped	Used or Lost	Storage End of Month
1	Lodge Grass	1	1,043	559	829	—	773
2	Lone Butte	2	1,054	2,559	2,182	—	1,431
6	Lonetree Creek	7	4,161	22,437	23,280	—	3,318
1	Lone Creek	1	207	508	448	—	267
2	Long Creek, West	2	900	4,212	3,994	—	1,118
3	Lookout Butte (Coral Creek)	30	714	49,599	49,613	—	700
7	Mason Lake	8	1,440	10,056	9,562	—	1,934
1	Mason Lake, North	1	54	102	—	—	156
1	McCabe	1	519	2,683	2,971	—	231
3	Melstone	7	2,204	11,167	11,515	—	1,856
1	Mineral Bench	1	657	637	637	—	657
2	Miners Coulee	2	782	103	627	—	258
21	Mon Dak West	21	16,342	86,313	88,636	—	14,019
9	Monarch	14	2,956	10,857	10,329	—	3,484
2	Mosser	4	—	526	526	—	—
1	Nohly	2	639	6,249	6,055	—	833
1	North Fork	2	549	3,398	3,230	—	717
4	Otis Creek	4	2,555	4,561	4,264	—	2,852
5	Outlook	5	1,829	6,899	6,723	—	2,005
1	Outlook, South	1	1,696	537	688	—	1,545
1	Outlook, West	1	1,823	37	—	—	1,860
1	Oxbow	1	960	6,073	6,121	—	912
1	Pelican	1	—	1,855	1,626	—	229
1	Pennel	115	1,100	252,564	252,564	—	1,100
—	Pete Creek	—	77	—	—	—	77
2	Phantom	3	669	2,773	2,570	—	872
4	Pine	90	13,144	192,072	192,271	—	12,945
—	Pine, East	—	108	—	—	—	108
57	Pondera	269	8,975	21,290	22,669	—	7,596
6	Poplar	66	7,616	23,626	23,374	—	7,868
10	Poplar, Northwest	15	3,561	10,602	11,116	—	3,047
—	Prairie Elk	—	980	—	—	—	980
1	Prichard Creek	4	287	404	353	—	338
1	Putnam	1	1,198	2,026	2,787	—	437
7	Putnam, East	7	3,517	15,548	16,221	—	2,844
1	Rabbit Hills	1	1,303	4,369	3,290	—	2,382
7	Ragged Point	19	5,692	3,341	3,583	—	5,450
2	Rattler Butte	2	477	1,718	1,376	—	819
2	Rattlesnake Coulee	2	424	216	—	—	640
2	Raymond	5	1,997	15,007	15,573	—	1,431
1	Raymond, Northeast	1	1,138	2,011	2,596	—	553
3	Reagon	41	954	15,760	15,605	—	1,109
1	Red Creek	18	—	6,778	6,778	—	—
1	Red Fox	1	423	200	—	—	623
1	Redstone	1	431	915	740	—	606
1	Repeat	1	1,045	442	442	—	1,045
4	Reserve	4	1,867	4,298	4,796	—	1,369
2	Richey	3	451	1,000	1,000	—	451
1	Richey, Southwest	4	679	628	989	—	318
1	Ridgelawn	1	673	1,752	1,996	—	429
2	RipRap Coulee	2	579	1,540	675	—	1,444
1	Rocky Point	1	1,134	2,195	3,031	—	298
4	Rosebud	4	1,183	1,809	1,881	5	1,106
1	Rush Mountain	1	641	1,843	1,677	—	807
—	Salt Lake	—	1,020	—	—	—	1,020
2	Sand Creek	4	318	1,965	1,965	—	318
4	Second Creek	4	1,781	6,363	6,708	—	1,436
2	Sheepherder	3	669	250	—	—	919
1	Shotgun Creek, North	1	368	1,737	1,690	—	415
8	Sidney	8	3,813	11,262	10,671	—	4,404
1	Singletree	1	1,352	4,529	4,834	—	1,047
7	Sioux Pass	7	3,771	17,016	16,437	—	4,350
1	Sioux Pass, East	1	171	1,148	938	—	381
3	Sioux Pass, Middle	3	1,589	8,302	7,568	—	2,323
5	Sioux Pass, North	5	5,201	9,606	11,026	—	3,781
1	Snyder	3	1,075	560	590	—	1,045
9	Soap Creek	23	1,633	3,917	2,962	—	2,588
2	Soap Creek, East	3	712	1,309	644	—	1,377
3	South Fork	3	1,984	14,288	14,155	—	2,117
1	Spring Lake	1	911	695	—	—	1,606
1	Stensvad	2	1,722	145	—	—	1,867
25	Sumatra	91	10,142	115,363	116,149	6	9,350
3	Sunnyhill	3	825	2,548	2,536	—	837
—	Tippy Buttes	—	243	—	—	—	243
5	Tule Creek	5	3,282	11,975	11,007	—	4,250
1	Tule Creek, East	1	1,128	610	718	—	1,020
1	Tule Creek, South	1	1,245	254	352	—	1,147
3	Utopia	9	1,306	2,630	3,127	—	809
10	Vaux	10	8,128	15,476	16,472	—	7,132
—	Vida	—	157	—	—	—	157
5	Volt	6	3,710	7,177	7,492	—	3,395
—	Wagon Box	—	80	—	—	—	80
1	Weed Creek	1	675	24	224	—	475
2	Weldon	2	2,152	479	955	—	1,676
1	West Butte	1	60	341	—	—	401
26	Whitlash	57	14,653	10,154	9,404	40	15,363
1	Whitlash, West	1	299	4	—	—	303
2	Willow Creek, North	2	467	445	257	—	655
1	Willow Ridge	3	—	214	214	—	—
3	Wills Creek, South	3	—	3,150	3,150	—	—
2	Winnett Junction	6	660	5,893	5,953	—	600
3	Wolf Springs	3	2,541	887	594	—	2,834
—	Womans Pocket	—	271	—	—	—	271
2	Woodrow	2	461	1,641	1,491	—	611
2	Wright Creek	3	969	1,047	—	—	2,016
—	Wildcat, McCone County	—	52	—	—	—	52
6	Wildcat, Richland County	6	166	9,662	7,384	—	2,444
1	Wildcat, Sheridan County	1	—	4,870	4,034	—	836
—	Wildcat, Toole County	—	200	—	—	—	200
790	TOTAL	3,270	418,948	2,437,010	2,451,522	618	403,818

See back page for oil production, shipping and storage summaries.

NATURAL AND ASSOCIATED GAS WITHDRAWALS IN MONTANA AT 14.73 PSIA and 60° F.—MONTH OF MARCH, 1979

Field NATURAL:	MC. Ft.
Alma	—
Arch Apex	32,435
Battle Creek	323,495
Bear's Den	—
Big Coulee	138,785
Big Rock	86,038
Black Coulee	3,814
Blackjack	5,709
Bowdoin	798,027
Bowes	90,823
Brown's Coulee	215
Bullwacker & Area	133,813
Canadian Coulee	14,000
Cedar Creek	158,992
Chip Creek	1,458
Clark's Fork, North	—
Coal Coulee	2,719
Cut Bank	171,765
Dry Creek	98,609
Dry Creek, Middle	—
Dunkirk North	29,399
East Chinook	807
Flat Coulee	15,472
Fred & George	9,735
Fresno	33,236
Gold Butte	709
Grandview	28,648
Gypsy Basin	33,493
Hardin	1,766
Haystack Butte	17,649
Highview	7,957
Keith Block	49,499
Kevin Sunburst	43,055
Kevin Sunburst Nisku & Area	7,897
Kicking Horse	19,997
Kinyon Coulee Area	5,600
Lake Basin	24,924
Ledger	11,245
Leroy	99,891
Liscom Creek	—
Lohman	10,317
Middle Butte	17,172
Miners Coulee	26,340
Mt. Lilly	14,965
Phantom	89,377
Plevna	2,396
Prairie Dell	37,265
Pumpkin Creek	—
Rapelje	22,100
Rocky Boy Area	7,952
Rudyard	24,006
Sage Creek	1,558
Sawtooth Mountain & Area	209,662
Sherard	70,995
Snoose Coulee	9,420
South Devon	10,462
South Shelby	33,829
Strawberry Creek Area	2,491
Swanson Creek	4,029
Tiger Ridge	1,286,498
Trail Creek	—
Utopia	55,335
West Butte	—
Whitlash	66,196
Willow Ridge	8,403
TOTAL NATURAL GAS	4,512,444

Field ASSOCIATED:	MC. Ft.
Bell Creek	47,241
Big Muddy Creek	2,469
Blue Hill	1,232
Clark's Fork South	8,764
Cabin Creek	25,027
Coral Creek	6,028
Culbertson	21,495
Eagle	109
Elk Basin	5,393
Fairview	20,082
Four Mile Creek	5,216
Four Mile Creek, West	5,636
Glendive	504
Mon Dak West	26,706
Otis Creek	2,990
Pennel	4,859
Richland	46,996*
Single Tree	9,055
Sioux Pass	8,730
Sioux Pass, East	1,423
Sioux Pass, Middle	5,758
Sioux Pass, North	5,981
Sumatra	5,627
Tule Creek	7,866*
Vaux	443
TOTAL ASSOCIATED GAS	275,630
TOTAL WITHDRAWALS	4,788,074

Total withdrawals for March, 1978 were 4,172,319 MCF.

*Includes such fields as Benrud, Brorson, Ft. Gilbert, Hay Creek, Lone Butte, Lone Tree, Red Fox & Second Creek.

Total oil produced and Shipped from Leases	Bbls. Produced	Daily Average	Bbls. Shipped	Daily Average
Year, 1978	30,467,337	83,472	30,316,941	83,060
January, 1979	2,446,355	78,915	2,471,244	79,718
February, 1979	2,109,432	75,337	2,091,779	74,706
March, 1979	2,437,010	78,613	2,451,522	79,081

Oil in Storagae	In Producers Field Tanks	In Transporters Storage	In Refiners Storage	Total In Storage
December	428,559	1,432,743	935,266	2,796,568
January, 1979	402,396	1,449,574	1,014,493	2,866,463
February, 1979	418,948	1,437,673	831,375	2,687,996
March, 1979	403,818	1,425,052	860,312	2,689,182